

Title (en)  
Lighting device

Title (de)  
Beleuchtungsanordnung

Title (fr)  
Dispositif d'éclairage

Publication  
**EP 2418423 A2 20120215 (EN)**

Application  
**EP 11177199 A 20110811**

Priority  
KR 20100077280 A 20100811

Abstract (en)  
A lighting device may be provided that includes a lighting device including: a light source unit including a substrate and a light emitting device disposed on the substrate; a heat sink including an inner surface on which the light source unit is disposed and at least one opening; and a top plate being disposed on the heat sink and including a reflective surface which reflects light from the light source unit in a particular direction.

IPC 8 full level  
**F21V 7/04** (2006.01); **F21V 7/00** (2006.01); **F21V 29/00** (2006.01); **F21Y 101/02** (2006.01)

CPC (source: EP KR US)  
**F21V 7/0008** (2013.01 - EP KR US); **F21V 7/0041** (2013.01 - EP US); **F21V 7/0058** (2013.01 - EP US); **F21V 7/041** (2013.01 - EP KR US); **F21V 17/14** (2013.01 - EP US); **F21V 29/74** (2015.01 - EP US); **F21V 29/77** (2015.01 - KR); **F21V 29/777** (2015.01 - EP US); **F21V 13/10** (2013.01 - EP US); **F21Y 2103/33** (2016.07 - EP KR US); **F21Y 2115/10** (2016.07 - EP US)

Cited by  
CN104791628A

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**US 2012002416 A1 20120105**; **US 8308319 B2 20121113**; CN 102374423 A 20120314; CN 102374423 B 20140618; EP 2418423 A2 20120215; EP 2418423 A3 20140430; EP 2418423 B1 20190529; KR 101772644 B1 20170829; KR 20120015056 A 20120221

DOCDB simple family (application)  
**US 201113207972 A 20110811**; CN 201110235018 A 20110811; EP 11177199 A 20110811; KR 20100077280 A 20100811